

Fish Acoustics Science Review

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LONG-TERM GOALS

To understand and exploit acoustic reverberation by and transmission through fish and related acoustic signal processing. The focus will be on swimbladder-bearing fish with resonance frequencies in the 100's of Hz to low kHz.

OBJECTIVES

To assess the state of the art and to make recommendations for future directions in the area of fish acoustics.

APPROACH

A two-day review entitled "Fish Acoustics Science Review" will take place involving scientists spanning the areas of acoustics, biology, and signal processing. The review will begin with a plenary meeting with each scientist presenting the state-of-the-art in their own area. Then the group will break up into several working groups in order to focus on pre-defined aspects of the field. At the end of the meeting, working group leaders will present their findings and plenary discussion and conclusions will take place.

WORK COMPLETED

- 1. Meeting time and location.* The meeting will take place on Nov. 1 and 2, 2007 in Plymouth, Massachusetts. A contract with a local hotel has been signed. Guest rooms, conference rooms, and a restaurant are available in the hotel.
- 2. Participants.* Twenty four scientists spanning acoustics, biology, and signal processing have agreed to participate in the meeting. Also, there will be at least one program manager from each of the areas: Optical/Biology, Ocean Acoustics, and Undersea Signal Processing.